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Department of Foreign Affairs  
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Ministère des Affaires étrangères  
et du Commerce international

**CANADA**

# **INTERNATIONAL TRADE POLICY RESEARCH SURVEY**

## **FINAL REPORT**

**by**

**Alexandre Munger  
(Co-op Student)**

**The Trade and Economic Analysis Division (EET)  
Department of Foreign Affairs and International Trade**

**May 1999**

**Reference Document No. 8**



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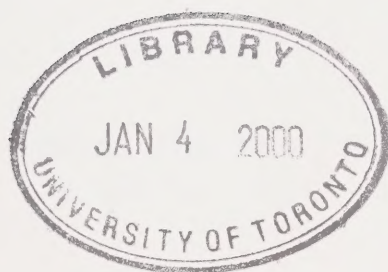
**Trade and Economic Analysis Division (EET)  
Department of Foreign Affairs and International Trade**

**(May 1999)**

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## Overview

This report presents the results of a survey conducted in early 1999 by Alexandre Munger for the Trade and Economic Analysis Division, Department of Foreign Affairs and International Trade. The aim of the survey was to update a similar study undertaken by Colleen Hamilton for the Division two years ago.

The purpose of this initiative is to help those involved in some aspect of international trade policy gain a better awareness of the topics that are currently being researched, the issues that are expected to be looked at in the near future, and the areas that might be characterized as “research gaps”. The survey also helps identify Canadian and other researchers working on these issues. Further, it sets out in particular the research work that is currently being done or planned in relation to the upcoming WTO negotiations.

The survey was in the form of a self-administered questionnaire which was sent out January 27, 1999. A total of 144 questionnaires<sup>1</sup> were sent to Canadian, American and other leading overseas universities, think tanks, and other research centres. The participants largely belong to the disciplines of economics, political science, or law, and were selected on the basis that they had an interest in, or had written on, Canadian or international trade policy issues.

The initiative this year was received with less enthusiasm than expected. Perhaps because the questionnaire this time was mainly focussed on the issues that are likely to arise in the upcoming WTO negotiations, it is primarily the researchers dedicated to these topics of research that responded to the questionnaire. The response rate was about 35 per cent compared to the previous survey which in turn was 59 per cent.

Twenty-three (23) individual answered questionnaires were received from Canadian researchers, 21 from American researchers, and 4 from researchers overseas. With 48 questionnaires answered in full, several trends were quite noticeable. These will be set out below.

## Observations

The update of this international trade policy survey has unveiled a growing interest of researchers in institutional issues. These issues are seen as having a significant place on the current research agenda, but also are considered to be of crucial importance for the future agenda. The upcoming WTO negotiations are, and will be, the focus of many. Issues related to the settlement of disputes in the WTO also seem to preoccupy the research community. As for how to take into account the smaller players, such as emerging or developing countries, or groups such as the NGOs, in the WTO system, it is thought to be a question that has been overlooked.

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<sup>1</sup>71 letters were sent to Canadian researchers, 63 were sent to US researchers, and 10 letters were sent to researchers overseas.

The dominance of regionally-related issues noted in the 1997 survey can still be observed in the research projects presently underway. The general and sector-specific impact of NAFTA is being looked at, as are FTA, FTAA and APEC issues. However, other priorities and new issues are likely to be of higher interest in the next few years, even though many respondents think that some aspects of regionalism still need to be looked at.

Services is an area where much work needs to be done and probably will be. Many researchers have expressed their interest in studying E-commerce and financial services. The lack of data on services flows and other difficulties concerning the quantification of international trade in services are also points that were raised.

Both investment and competition policy issues are also considered to be critical for the trading system. The international evolution of investment and of competition policy rules are being considered by many. Environmental issues also appear to have kept a firm place on the current research agenda. Trade-related effects of environmental policies, environmental technologies and environmental ethics are among the topics being studied by the respondents.

Finally, of the new issues worth mentioning are transfer of technology matters, capital flows, and currency regimes and exchange rates. The diversity of other research topics is also noteworthy and will be set out in the following sections.

## Survey results

Four key questions were asked in this survey: (1) What trade policy area are you conducting research on? (2) In what trade policy areas do you plan to do research in the next two-to-three years? (3) What trade policy issues or areas do you consider are the most overlooked and in need of substantive research? (4) Over the next five years, what areas do you think will be of crucial importance to better understand the international trading system?

An indication of the most frequently cited research areas for each question, as well as the number of times that each area was cited by survey participants, is provided by Table I.

TABLE I: RESPONSES

AREAS	CURRENTLY RESEARCHING (no. of responses)	PLAN TO WORK ON IN NEXT 2-3 YEARS (no. of responses)	CONSIDERED MOST OVERLOOKED (no. of responses)	LIKELY TO BE CRUCIAL IN NEXT 5 YEARS (no. of responses)
INSTITUTIONAL	16	15	13	12
REGIONALISM	19	9	11	2
SERVICES	6	11	11	7
ENVIRONMENT	10	6	7	4
COMPETITION POLICY	5	6	8	6
LABOUR	5	5	5	4
INVESTMENT	5	6	3	2
GLOBALIZATION	3	4	3	4
TRANSFER OF	4	4	1	0
CAPITAL FLOWS	4	1	1	3
OTHER <sup>1</sup>	14	13	30	45

<sup>1</sup>Includes: Exchange rates and currency regimes, trade and social policy, subsidies and countervail, religion and gender in trade, regulation, civil society and trade, China, trade reform, trade policy formulation, income inequalities, trade and unemployment, standards, commodity trade, technology and trade, intra-firm trade flows, R&D, trade and human rights, intellectual property, international law, agriculture, textiles, tax policy, export promotion, etc.

## **(1) Areas currently being researched**

### **Regionalism**

This broad area was the one receiving the most attention two years ago and it still is. The researchers who responded to the survey are mainly conducting North America-oriented research. The North American Free Trade Agreement (NAFTA) continues to be a popular subject of study. Looking at this topic is Daniel Trebler of the University of Toronto. Similarly, Gary Hufbauer of the Institute for International Economics is working on a retrospective assessment of NAFTA while Sidney Weintraub of the Center for Strategic and International Studies is paying particular attention to the successes and failures of the Agreement.

More specifically, Jim Brox of the University of Waterloo is studying the effects of NAFTA on the national and interprovincial trade patterns and the factors influencing inter-regional and international trade flows. The impact of NAFTA on location decisions of multinationals and more generally, on regional integration processes and firm responses are being looked at by Lorraine Eden, Texas A&M University. Lawrence Schembri of Carleton University is researching the impact of NAFTA on Canada-Taiwan trade while Maureen Molot, also at Carleton, has a project underway on NAFTA and federalism that will be focussed on the labour and environmental side agreements, the procurement provisions, and the harmonization of regulations in areas related to transportation infrastructure.

The integration of the North American economy is also being analysed by Charles Barrett of the Conference Board of Canada who is working on series of sectoral monographs. Earl Fry of Brigham Young University is paying particular attention to various related topics: Canada-US trade relations, how US trade policy is made vis-à-vis Canada, NAFTA trade relations, and Globalization and the North American West. Keith Head of the University of British Columbia is examining the effect of the FTA on the structure and performance of manufacturing in Canada. Alan MacPherson of the State University of New York at Buffalo is studying the bilateral economic impact of Canadian FDI in the US at the regional level.

Many in the research community are currently focussed specifically on the North American auto industry. Among those named above, Ms. Molot is looking at Canada's tariff policy on cars in the context of NAFTA, Mr. Weintraub is studying North American integration in this industry, and trade policy more generally in the Canadian automotive sector is being considered by Ms. Eden. Also, Jim Brox is looking at the effect of just-in-time manufacturing techniques on production and trade in the North American auto industry.

Free trade in the Americas is being studied by Andrew Cooper of the University of Waterloo who concentrates on the policies of Canada, Mexico and Brazil. Sidney Weintraub is looking at the need for technical assistance for FTAA negotiations and also at the progress and problems in Mercosur integration.

Projects related to the Asia Pacific region are also underway. Yuen Pau Woo of the Asia Pacific Foundation of Canada is doing an assessment of trade facilitation initiatives of APEC, in particular

standards and conformance, and related procedures. Mr. Woo also is studying Canada's trade liberalisation interests in APEC and their relationships to the WTO. Ted English of Carleton University is examining the potential for consensus in the group of APEC countries as they evolve toward a definition of concerted trade policy interests. Concerning Europe, Keith Head, together with Thierry Mayer of the University of Paris, have been examining the effects of Europe's Single Market Programme on intra-EU trade.

More generally, Ann Krueger of Stanford University is looking at preferential trade arrangements vis-à-vis the multilateral system while David Leyton-Brown of York University is currently researching the intersection of bilateral (Canada-US) trade issues with multilateral (NAFTA vs WTO obligations and procedures).

At Carleton University, Mr. Schembri is also looking at the impact of trade barriers on Canada-US trade flows and technology transfers, while André Sapir of the Université Libre de Bruxelles is specializing in Article XXIV of the GATT (regionalism).

## **Institutional issues**

Coming second is the broad area of institutional issues that includes topics such as the WTO, dispute settlement and the upcoming WTO negotiations. A number of projects related to the upcoming negotiations are in progress. John Whalley of the University of Western Ontario and Bob Wolfe of Queen's University are both looking at the architecture and the structure of the new multilateral negotiations as is André Sapir. Bob Wolfe is also paying particular attention to the WTO as an institution, as is the Economic Research and Analysis Division (ERAD) of the Organisation itself.

The WTO Economic Research and Analysis Division is also looking at the dispute settlement in the WTO. This topic is also studied by Merit Janow of Columbia University and Robert Hudec of the University of Minnesota. Ann Weston of the North-South Institute, in collaboration with Valentia Delich of FLASCO-Argentina, is reviewing the strengths and weaknesses of the new Dispute Settlement Body, drawing on a few cases involving countries from the Americas.

Issues related to least developed countries in the WTO are the subject of many research projects. Michael Finger of the World Bank is conducting research on the cost to LDCs of implementing regulatory and procedural reforms agreed at the Uruguay Round. Roy Hines of W.R. Hines & Associates is reviewing the implementation of the WTO Trade Remedy Agreements in the developing countries. John Whalley is working on special and differential treatment in the Uruguay Round and beyond.

Specific matters such as Article XVIII B of the GATT and safeguard action under the WTO are being studied by Richard Snape of the Australian Productivity Commission. Robert Hudec is looking at issues of national treatment, particularly the definition of "de facto discrimination", and also is doing a review of the GATT from 1990 to 1994. The ERAD has other projects on WTO market access, debt sustainability and economic growth, and on adjustment to trade reform. Alan Rugman

is looking at MAI type rules on investment at the WTO. Klaus Stegeman is studying the integration of intellectual property rights into the WTO system. Daniel Trefler is interested in the WTO and especially in the related issues of environmental/consumer protection. Also, the accession of China in the WTO is being analysed by Merit Janow.

Finally, John Jackson of Georgetown University continues to be interested in international economic law, including WTO, GATT, WTO disputes, sovereignty and new WTO negotiations. Brian Job is studying multilateral institutions in Asia Pacific while John Whalley is looking at the possibility of creating a World Environmental Organization.

## **Environment**

As noted in the 1997 survey, trade-related environment issues are of major interest to researchers. For instance, as stated earlier, Alan Rugman, Daniel Trefler and John Whalley are conducting research in this field. Also, Woodrow Clark of the University of California is looking at the environmental and energy technologies, climate change models and technological solutions. Dorinda Dallmeyer of the University of Georgia is studying environmental ethics in the global marketplace, and international marine policy and its intersection with trade. Randall Wigle of Wilfrid Laurier University is researching trade-development-environment linkages and carbon taxes. Mr. Wiggle is also looking at the trade implications of Kyoto as is Thomas Rutherford of the University of Colorado. The ERAD is doing a general survey on trade and environment. As for Glenn Harrison and David Leyton-Brown, they are independently paying particular attention to trade-related effects of environmental policies.

## **Competition policy**

For a number of survey respondents, competition policy continues to be of particular importance. Roy Hines has a project underway on the implementation of the WTO's Agreements on Anti-dumping and Countervailing Measures. Michael Trebilcock of the University of Toronto is looking at the interface between trade policy and competition policy and at arguments for international harmonization of competition policy and particular policy options relating thereto. Richard Snape is studying safeguard actions under the WTO; Merit Janow and the ERAD are looking at trade and competition policy more generally.

## **Services**

Surprisingly, few researchers are actually conducting research on services even though a new set of WTO negotiations of the General Agreement on Trade in Services (GATS) is set to begin in less than a year. Nevertheless, Gary Hufbauer is looking at the impact of opening service markets to global competition. Bob Wolfe has a project dealing with the accommodation of domestic regulation in the trading system, with reference to new sectors in the GATS. On a more sector-specific basis, Jonathan Aronson of the University of Southern California is concentrating on trade issues raised by the rise of E-commerce, Richard Snape on international air services and John Whalley on the liberalization of service networks (telecoms). As for the ERAD, it has research activities on trade

in financial services and electronic commerce.

## **Investment**

The biggest surprise arising from the results of this survey is probably the decrease in popularity of investment as a research topic. Only a few respondents are still working on these issues. Among them, Merit Janow is looking at the broad issue, while, as stated earlier, Alan Rugman has a project on MAI type rules on investment at the WTO. Pierre-Paul Proulx of the Université de Montréal is working on trade and FDI flows, and the localisation determinants of economic activities and multinational firms. Also, Alan MacPherson of the State University of New York at Buffalo is looking at bilateral economic impact at the regional effect of the Canadian foreign direct investment in the US.

## **Labour**

Trade and labour issues are also receiving a lower profile than in the previous survey. Among researchers studying this topic is John Whalley who is looking at trade and wage inequality. Morley Gunderson of Stanford University is working on trade and labour standards, specifically at the impact of trade liberalization and capital flows on the harmonization of labour laws and regulations. The ERAD is studying trade and labour markets, and the effects of human capital development of trade patterns. Also looking at these issues is Richard Harris of Simon Fraser University who has a project on the trade integration effects on human capital formation and their links to other types of investment. Finally, Stephen Hornsby of the University of Maine is working in the economic area of comparative labour markets.

## **Globalization, Capital Flows and Transfer of Technology**

Fewer respondents said that they are currently working on the areas of globalization, capital flows and transfer of technology. Nevertheless the impact of globalization in the western region of North American is being looked at by Earl Fry. The global opening of services markets is being studied by Gary Hufbauer, and Julie Delahanty and Gita Sud, both of the North-South Institute, are analysing how the globalization of the garment industry affects gender relations.

Robert Litan of the Brookings Institution has a project underway on the future of cross-border capital flows in the 21<sup>st</sup> century in the wake of the Asian crisis. Thomas Rutherford is studying trade policy and capital flows. Morley Gunderson is studying regional labour market effects of trade liberalisation and capital flows. As for Jim Brox, he is looking at the factors affecting the international flow of funds, particularly those involving the private corporate and government enterprise sector. Professor Brox is also studying research and development, technology transfer and production and trade issues. Other researchers studying the transfer of technology include Lawrence Schembri who is concentrating on the impact of trade barriers between Canada and the US, Woodrow Clark, who is also working on the development of multilateral technology transfer and AID Programs, and the ERAD .

## Other Issues

A wide range of topics are currently being researched in the field of international trade policy. Cultural industries and cultural policy are issues that are being looked at by Charles Doran of Johns Hopkins University, Christopher Maule of Carleton University, and David Leyton Brown. Max Corden of Johns Hopkins University is looking at the relation between trade policy and the exchange rate regime, and exchange rate policy more generally, as is Richard Harris who is also examining a currency union within NAFTA. Henry King of the Case Western Reserve University and John Jackson are working in the fields of law and economics.

Ann Weston has projects related to the post-Lome options for the Caribbean and developing country trade with Canada. Alan MacPherson is looking at industrial export promotion via information policy. Economic sanctions are being studied by Gary Hufbauer, and Glenn Harrison is still studying the interaction of international trade policy with domestic tax policy. The ERAD is working on projects addressing the limited usefulness of the tariff escalation concept, the evidence and origins of instability of trade policy, the role of middlemen in commodity trade, and tariff reform. Jean Mercenier of the Université de Montréal is doing research on the quantification of the reallocation effects (in space, time and sectors) of trade liberalizing policies in a general equilibrium framework. As for Jonathan Aronson, he is looking at the use of standards as trade barriers, intellectual property and the Web, and credit cards, credit and the financing of new business ventures.

## (2) Areas where research is planned in the next two to three years

Most of the researchers indicated that they would be continuing to work on the same issues over the next several years.

## Institutional issues

It is not surprising that institutional issues is the area in which most researchers plan to concentrate in the future. It is now clear that the WTO Agreements are of fundamental importance to international trade and that the upcoming WTO negotiations will be crucial. That is certainly why Daniel Treffer, Alan Rugman, John Jackson, Maureen Molot, and the Economic Research and Analysis Division (WTO) will pursue their work in this general area. So will Bob Wolfe who also plans to do an assessment of the role of the TPRM in multilateral surveillance. Klaus Stegemann plans to examine the built-in agenda for TRIPS and new intellectual property issues that are likely to be included in future negotiations.

In addition, John Whalley will continue doing research on special and differential treatment in coming multilateral negotiations. Dorinda Dallmeyer will be examining the representation of NGOs in WTO decision making and dispute resolution. Non-governmental voices in multilateral organisations will also be studied by Alison Van Rooy of The North-South Institute. Andrew Cooper is expecting to examine NGOs and transparency in trade negotiations.

Also, Richard Snape plans to look at dispute settlement in the WTO. Merit Janow will study the functioning of the WTO system. Robert Hudec will be doing research on developing countries in the WTO's legal system while Earl Fry's work on US trade policy toward Canada will look at various aspects of the upcoming WTO negotiations.

## **Services**

Much work needs to be done with respect to research on services. The survey respondents thus are turning their attention towards this research topic. Continuing the work that they are presently doing are Jonathan Aronson on E-commerce, and Gary Hufbauer on the opening of service markets. Harvey Lazar of Queen's University will study the impact of alternative global scenarios regarding WTO/NAFTA rules on electronic commerce and the effect of those rules on the conduct of federal-provincial relations. Richard Snape will pursue his work on international air services, but also plans to study the structure of the GATS. Also planning to work on the liberalization of air services is Richard Harris.

Keith Head will be working on trade in financial services, specifically on the market for mutual fund management. Financial services will also be looked at by John Chant of Simon Fraser University while the WTO Economic Research and Analysis Division (ERAD) will focus on the role of trade for development and developing countries and for financial stability. Health services and the measurement and quantification of protection in services will also be studied by the ERAD. In addition, Lawrence Schembri plans to work on empirical models of the impact of trade barriers on trade in services. John Whalley will also be looking at a new round of services negotiations. Finally, Randall Wigle plans to study services trade and the linkage to investment and competition policy.

## **Regionalism**

As a research topic, regionalism issues will lose ground in terms of popularity in the next few years with only half the present number of researchers working on related issues. Continuing their individual NAFTA work are Maureen Molot, Lawrence Schembri and Gary Hufbauer. Ann Krueger will also still be looking at preferential arrangements. Also pursuing research already underway will be Earl Fry on US trade policy toward Canada, Ted English on APEC and Lorraine Eden on the North American auto industry. Ms. Eden also plans to study the relation of transfer pricing and corporate income taxes in North America. As well, Charles Doran is planning to look at subsidy/countervailing duty discussions in the Canada-US context. As for Merit Janow, she will be examining regionalism vs globalization.

## **Competition Policy and Investment**

The previous survey indicated that a great number of researchers were planning to study competition policy and investment issues. As stated in the earlier section, some of them are now conducting research on these topics, but the majority have not yet started their work. In the short term, Christopher Maule is planning to look at investment and competition policy, as is Randall Wigle who

will study the linkage to services trade.

Competition policy and trade matters will be looked at by John Whalley, Robert Litan, Jonathan Aronson and the ERAD where projects will also study foreign investment rules, and trade and investment. Also, Keith Head will be working on the relationship between trade and investment abroad, and Alan Rugman will pursue his study of MAI-type rules at the WTO.

## **Environment**

Environmental issues will remain of interest to the research community in the next few years. Continuing their present work will be Daniel Trefler on environment/consumer protection and the WTO, Alan Rugman on a NAFTA-type environmental accord at APEC and the WTO, and Woodrow Clark on climate change models with economic impact. As for Maureen Molot, Thomas Rutherford and Merit Janow, they also individually plan to work on trade and environment issues.

## **Other Issues**

Jim Brox, Lawrence Schembri and Woodrow Clark plan to keep on working on their transfer of technology projects. Labour and trade issues will be looked at by Morley Gunderson, Maureen Molot, Thomas Rutherford and Merit Janow. The Economic Research and Analysis Division of the WTO will also be working on trade-related labour matters, as well as on technology diffusion, parallel imports, the role of middlemen in commodity trade and agriculture. The prospect for further negotiations on agriculture will also occupy Bob Wolfe, Harvey Lazar and John Whalley. The latter also plans to look at textiles beyond the MFA phase-out period.

Sidney Weintraub will focus on interplay of market economies and general well-being in key Latin American countries, and also plans to get into the question of portfolio capital flows. The North South Institute will continue the work on globalization related to the garment industry and gender. Alan MacPherson plans to study international technical standards for industrial products. David Leyton-Brown will work on different aspects of cultural policy. Gary Hufbauer will continue to look at economic sanctions. Michael Finger will be doing research on the characteristics of leaders who successfully pushed their programs of reform. Andrew Cooper is expecting to examine South Africa trade policy, both multilateral and regional. John Chant will look at the consequences of currency arrangements for the regulation of financial institutions and markets. Jonathan Aronson plans to work on competitiveness, intellectual property, and the World Wide Web. As for Daniel Trefler, he will still be looking at the implication of further international tariff cuts. Jean Mercenier will concentrate on intra-industry trade.

## **(3) Areas considered most overlooked**

This is a very important question, since the aim of this biannual survey is not only to identify what particular trade policy issues researchers are working on, but also to have their opinion about the research gaps in the international trade policy research agenda. Most researchers seem to have noted

the overlooked areas in their own speciality fields of trade policy. This is probably why the main categories reported in section (1) and (2) reappear under this heading, although some interesting information is found in the individual responses.

## **Regionalism**

Regionalism issues were frequently cited as overlooked, mainly by the researchers that are currently focussed on, and plan to be focussed on, these issues in the next few years. No real general trend can be noticed in the responses that include as overlooked regionalism issues:

- Chapter 11 of NAFTA -- its scope and the dimensions of its applications
- The case for or against a customs union in NAFTA
- Serious/binding bilateral trade liberalization with some Asia-Pacific countries
- Commerce inter-régional (entre grandes villes)
- The rules of origin and customs valuation under NAFTA
- Evaluation of the effects of the new regionalism
- The FTAA process and its implications on NAFTA
- NAFTA issues: pressure to harmonize standards and policies
- Negative effects of preferential trading arrangements (PTAs)

## **Institutional issues**

This broad area of research is also pointed out in the survey as being in need of substantial work. The functioning of the WTO system and the capacity of existing institutions to manage global trading arrangements were general gaps reported, as well as dispute settlement and the enlargement of the field of action of the WTO. Many also seemed to agree that research needs to be done on how to take into account the smaller players in the system, as they identified the following research gaps:

- Economies in transition and the trading system
- Impact of special WTO provisions for LDCs
- Participation of private parties in international dispute resolution
- How can small WTO members obtain leverage in the WTO
- Taking into account the political economy differences in the definition of the policy framework governing trade negotiations

A number of respondents believe that the relationship between regional and global trading regimes has to be looked at.

## **Services**

Researchers from all fields of trade policy have noted services as an area that has been overlooked. The majority were not very specific, but agreed that with the upcoming GATS negotiations there will be work to do in this area. Precise research gaps pointed out included:

- Links between services trade policy and the macro-economy
- Interaction between financial services liberalization and conventional trade
- Non-bank financial issues

Quantification of international trade in services and data on services flows were also mentioned.

## **Other Issues**

A wide range of “other” topics were also considered to be in need of research. Among those more frequently mentioned are trade and environment and trade and competition policy. The integration of environment issues in the trade arena, environmentally-based NTBs, and the coal markets under Kyoto were cited, as well as the use and misuse of anti-dumping duties and the constraint of extra WTO retaliation.

Among other areas worth highlighting is trade policy formulation, with gaps indicated related to such issues as:

- The political economy of trade policy formulation
- The limits of trade policy
- Multilateral constraints on regulation
- Personal convictions and courage as inputs into policy reform
- Pressure groups influencing US trade policy towards Canada

Also pointed out as being overlooked topics are:

- Standards as trade barriers
- Trade and labour
- R&D and international financing on the issues of location of production and trade patterns
- Cultural policy and trade
- Trade barriers other than official government policies
- Historical analysis of the impact of trade barriers at the micro-data level
- Commodity trade and the LDCs
- The consumer interest in the new global trade regime
- Compensatory trade
- Intra-firm trade flows
- Interplay between trade and capital movements, both direct and portfolio
- Trade and social policies
- interaction between trade and human rights

## **(4) Areas considered likely to be of crucial importance in the next five years**

### **Institutional issues**

Institutional issues is an area that is thought to become increasingly important in the next five years. The upcoming WTO negotiations set to start later in 1999 will certainly last for a number of years and will monopolize attention during that time. The dispute settlement mechanism seems to be a matter that many are considering important. How can one ensure that WTO members comply with

the recommendations of WTO panels or of the Appellate Body, and that they accept defeat as willingly as they do victories? Questions about sanitary, phytosanitary, standards and national treatment were also mentioned, as well as the access of new members (China, Russia) and the role of small countries and LDCs in the WTO.

## **Currency regimes and Exchange rates**

Currency regimes and exchange rates issues is the other main area that respondents found will be of crucial importance to understand the functioning of the trading system. Recent major developments on this front in the last few months are the introduction of the Euro and the instability crisis which have led researchers to believe that much work needs to be done in order to comprehend the significance and influence that they are adding to the global dynamic.

## **Other Issues**

A number of researchers considered that the role of MNEs and intra-firm trade, the influence of technology (E-commerce) on trade, and the effect of trade on income disparities between developed countries and the rest of the world will be issues of importance in the next five years. The issues raised under services, environment, labour, competition policy and capital flows have been discussed in previous sections. The list of other topics cited is extremely diversified. These include:

- Trade and unemployment
- The fall of commodity prices
- Trade policy implementation
- International monopolies
- Negotiation of investment issues
- Trade and social policies
- Subsidies and countervail
- Multi-dimensional impact of globalization
- The role of productivity differences in explaining trade flows
- Cultural policy
- Trade blocs expansion/formation
- Religious and gender issues in trade
- Multilateral constraints on regulation
- Adjustment to trade reform
- Civil society and trade

## ANNEX 1: RESEARCHER BY TOPIC AREA

V = currently researching

X = plan to research

Researcher	Regionalism	Environment	Labour	Competition policy	Services	Globalization	Institutional issues	Investment	Capital flows	Transfer of technology	Other <sup>1</sup>
Aronson				X	V X			V X			V X
Barrett	V										
Brox	V								V	V X	X
Chant					X						
Clark		V X								V X	
Cooper	V						X				
Corden											V
Dallmeyer		V					X				
Doran	X										V
Eden	V X										
English	V X										
E.R.A.D.		V	V X	V X	V X		V X	X		V X	V X
Finger							V				X
Fry	V X					V X	X				
Gunderson			V X						V		
Harris			V		X						V
Harrison		V									V
Head	V				X			X			
Hines				V			V				
Hornsby			V								
Researcher	Regionalism	Environment	Labour	Competition policy	Services	Globalization	Institutional issues	Investment	Capital flows	Transfer of technology	Other <sup>1</sup>

[illegible]



## ANNEX 2: AREAS CURRENTLY BEING RESEARCHED

PARTICIPANTS	AFFILIATION	RESPONSE
Aronson, Jonathan	School of International Relations, University of Southern California	<ul style="list-style-type: none"> <li>- Use of standards as trade barriers</li> <li>- Intellectual property and the Web</li> <li>- Trade issues raised by E-commerce</li> <li>- Credit cards, credit, and the financing of new business ventures</li> </ul>
Barrett, Charles	The Conference Board of Canada	<ul style="list-style-type: none"> <li>- Integration of the North American economy</li> <li>- Review of Canada's trade policy and trade performance</li> </ul>
Brox, Jim	Department of Economics, University of Waterloo	<ul style="list-style-type: none"> <li>- Factors influencing inter-regional and international trade flows, the effect of NAFTA on the national and interprovincial trade patterns</li> <li>- Effects of just in time manufacturing techniques on production and trade in the North American auto industry</li> <li>- R&amp;D, technology transfer and production and trade issues</li> <li>- Factors affecting the international flow of funds</li> </ul>
Clark, Woodrow W.	Department of Applied Sciences, University of California, Livermore National Laboratory	<ul style="list-style-type: none"> <li>- Environmental and energy technologies and their transfer from USA to developing nations</li> <li>- Development of multi-lateral technology transfer and aid programs</li> <li>- Research on climate change models and technologic solutions</li> </ul>
Cooper, Andrew	Department of Political Science, University of Waterloo	<ul style="list-style-type: none"> <li>- FTAA, the policies of Canada, Mexico, Argentina and Brazil</li> </ul>

Corden, Max W.	School of Advanced International Studies, Johns Hopkins University	- Relations between trade policy and the exchange rate regime
Dallmeyer, Dorinda G.	Dean Rusk Center, University of Georgia	- Environmental ethics and the global marketplace - International marine policy and intersection with trade
Doran, Charles	School of Advanced International Studies, Johns Hopkins University	- Protection of cultural industries: US and Canadian perspectives
Eden, Lorraine	Department of Management, Texas A&M University	- Trade policy in the automotive sector in Canada, the US and Mexico - US trade policy debates 1985-present - Regional integration processes and firm responses
English, Edward H.	Centre for Trade Policy and Law, Carleton University	- Trade policy priorities of the Northeast Asian economies and the potential for a consensus in the group for a definition of concerted trade policy interests in APEC
Finger, Michael, J.	International Trade Division, The World Bank	- Cost to least developed countries of implementing regulatory and procedural reforms agreed at the Uruguay Round
Fry, Earl	Brigham Young University (Provo, Utah)	- Canada-US trade relations - NAFTA trade relations - Globalisation and the North American West
Gunderson, Morley	Hoover Institution, Stanford University	- Trade and Labour standards - Regional labour market effects of trade liberalization and capital flows
Harris, Richard	Department of Economics, Simon Fraser University	- Trade integration effects on human capital formation - Exchange rate and currency union in NAFTA

Harrison, Glenn	Department of Economics, University of South Carolina	- Interaction of international trade policy with domestic tax policy - Trade and environmental policy
Head, Keith C.	Faculty of Commerce and Business Administration, University of British Columbia	- FTA and its effects on the structure and performance of manufacturing in Canada - Effects of Europe's Single Market Programme on intra-EU trade
Hines, Roy W.	W.R. Hines and Associates Inc. (Ottawa)	- Implementation of the WTO's Agreements on Anti-dumping and Countervailing measures - Implementing the WTO Trade Remedy Agreements in the developing countries
Hornsby, Stephen J.	Canadian-American Center, University of Maine	- Comparative labour markets
Hudec, Robert	University of Minnesota Law School	- Dispute settlement - National treatment, particularly definition of "de facto discrimination"
Hufbauer, Gary	Institute for International Economics (Washington)	- Economics sanctions - NAFTA: a retrospective assessment - Impact of opening service markets to global competition
Jackson, John H.	Law Center, Georgetown University	-International Economic Law: WTO, GATT, US trade law, WTO disputes, sovereignty, new trade round, financial crisis, etc.
Janow, Merit E.	School of International and Public Affairs, Columbia University	- Trade and competition policies - Accession to WTO: China - WTO dispute settlement -Investment
Job, Brian	Institute of International Relations, University of British Columbia	- International political and security matters in Asia Pacific - Multilateral institutions in Asia Pacific

King, Henry T.	Canada-US Law Institute, Case Western Reserve University	- Relation between law and Economics in the Canada/United States context
Krueger, Anne O.	Department of Economics, Stanford University	- Preferential trade arrangements vis-à-vis the multilateral system
Leyton-Brown, David	York University	- Intersection of bilateral and multilateral trade issues - Trade-related effects of policies such as cultural policy and environmental protection
Litan, Robert	The Brookings Institution	- The future of cross-border capital flows in the 21 <sup>st</sup> century in the wake of the Asian crisis
WTO Economic Research and Analysis Division  Low, Patrick Director-		- Trade and competition policy - The limited usefulness of the tariff escalation concept - Instability of trade policy - Trade in Financial services - Electronic commerce - Trade and human capital - Trade and environment - Dispute settlement in the WTO - Adjustment to trade reform, trade and labour markets - Millenium round scenarios - Technology diffusion - Role of middlemen in commodity trade - WTO market access, debt sustainability and economic growth - Tariff reform and economic performance - Institutions, trade policy and economic growth
MacPherson, Alan	Canada-US Trade Centre, State University of New York at Buffalo	- Canadian foreign direct investment in the US - Industrial export promotion via information policy
Maule, Christopher	Department of Economics, Carleton University	- Cultural industries

Mercenier, Jean	Centre de recherche et développement en économique, Université de Montréal	- Quantification des effets réallocatifs des politiques de libéralisation commerciale dans un cadre d'équilibre général
Molot, Maureen	Norman Paterson School of International Affairs, Carleton University	- Canada's tariff policy on cars in the context of NAFTA - NAFTA and federalism
The North-South Institute, Weston, Ann - Research coordinator		- Settling trade disputes after the Uruguay Round - Post-Lome options for the Caribbean - Developing country trade with Canada after the Uruguay Round - Globalization, the garment industry of gender
Proulx, Pierre-Paul	Département de sciences économiques, Université de Montréal	- Flux d'investissement direct et déterminant de la localisation des activités économiques
Rugman, Alan M.	Templeton College (Oxford)	- MAI type rules on investment at the WTO - NAFTA type environmental accord at the WTO and APEC
Rutherford, Thomas	Department of Economics, University of Colorado	- Trade implications of Kyoto - Trade policy and capital flows - Trade-growth issues
Sapir, André	Institut d'Études Européennes, Université Libre de Bruxelles	- Régionalisme - Article XXIV - Évaluation d'ensemble d'un possible Millennium Round
Schembri, Lawrence L.	Department of Economics, Carleton University	- Impact of trade barriers on Canada-US trade flows and technology transfer - Impact of NAFTA on Canada-Taiwan trade
Snape, Richard	Productivity Commission, Melbourne Office	- International air services - Article XVIII B of GATT - Safeguard action under WTO

Stegemann, Klaus	Department of economics, Queen's University	- Integration of intellectual property rights into the WTO system
Trebilcock, Michael	Faculty of Law, University of Toronto	- Interface between trade policy and arguments for international harmonization of aspects of competition policy
Trefler, Daniel	Institute for Policy Analysis, University of Toronto	- NAFTA - Tariff cuts - WTO and environment/consumer protections
Weintraub, Sidney	Center for Strategic and International Studies (Washington)	- North American integration in the auto industry - Technical assistance needs for FTAA negotiations - Progress and problems in Mercosur integration - NAFTA successes and failures
Whalley, John	Department of Economics, University of Western Ontario	- Special and differential treatment in the Uruguay Round and beyond - A possible World Environmental Organization - Trade and wage inequality - Liberalization in service networks - Architecture of a new trade round
Wigle, Randall	Department of Economics, Wilfrid Laurier University	- Trade-development-environment linkage - Carbon taxes/Kyoto and trade
Wolfe, Robert	Centre for International Relations, Queen's University	- WTO as an institution - Accommodating domestic regulation in the trading system (GATS new sectors)
Woo, Yuen Pau	Asia-Pacific Fondation of Canada (Vancouver)	- Assessing trade facilitation initiative in APEC - Balancing Canada's trade liberalisation interests in APEC vis-à-vis WTO

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